

## **Appendix 3.11-A**

### **Safety and Security Data**



**Table 3.11-A-1**  
Number of Train Accidents and Casualties by County, 2004–2009

Location	Train Accidents				Casualties <sup>1</sup>	
	Total	Type of Accident			Killed	Injured
		Fatal	Injury	PDO		
Fresno County	55	2	4	49	2	5
Kings County	9	2	1	6	3	35
Tulare County	19	0	1	18	0	1
Kern County	85	5	7	73	5	22
Total	168	9	13	146	10	63
<p>Note: Data are for January 2004 through September 2009.</p> <p>PDO = property damage only</p> <p><sup>1</sup> Casualty numbers account for all injuries and fatalities that occurred on railroad property as reported in Table 3.09 of FRA, Office of Safety Analysis. <a href="http://safetydata.fra.dot.gov/OfficeofSafety/">http://safetydata.fra.dot.gov/OfficeofSafety/</a></p> <p>Source: FRA 2010.</p>						

**Table 3.11-A-2**  
Types and Causes of Train Accidents by County, 2004–2009

Location	Type of Accident			Cause of Train Accident <sup>1</sup>				
	Coll	Der	Other	Equip	Human Error	Other	HRC	Faulty Track
Fresno County	2	36	17	3	16	8	7	21
Kings County	0	4	5	0	4	0	5	0
Tulare County	0	15	4	3	4	2	1	9
Kern County	2	51	32	7	35	13	12	18
Total	4	106	58	13	59	23	25	48
<p>Note: Data are for January 2004 through September 2009.</p> <p>Coll = collision (e.g., head-on, rear-end, side, raking, broken-train, or heavy-rail collisions)</p> <p>Der = derailment</p> <p>Equip = equipment</p> <p>HRC = highway railroad crossing</p> <p><sup>1</sup> Cause of train accidents as reported in Table 3.09 of FRA, Office of Safety Analysis. <a href="http://safetydata.fra.dot.gov/OfficeofSafety/">http://safetydata.fra.dot.gov/OfficeofSafety/</a></p> <p>Source: FRA 2010.</p>								

**Table 3.11-A-3**  
Highway-Rail Grade Crossing Accident/Incidents, 2004–2009

Cross Street	Railroad	City / County	Number of Accidents		Number of Casualties		Alternative Alignment
			Total	PDO	Killed	Injured	
Church St	Amtrak	Fresno	1	0	0	1	BNSF, Fresno West
Chestnut St	UPRR	Fresno	1	0	0	1	BNSF, Fresno West
Chestnut St	BNSF	Fresno	1	0	1	0	BNSF, Fresno West
Tulare St	UPRR	Fresno	1	0	0	1	BNSF, Fresno West
Cherry St	UPRR	Fresno	1	1	0	0	BNSF, Fresno West
Cherry St	BNSF	Fresno	1	1	0	0	BNSF, Fresno West
Adams St	BNSF	Fresno	1	1	0	0	BNSF, Fresno West
Adams St	UPRR	Fresno	1	1	0	0	BNSF, Fresno West
Ventura St	UPRR	Fresno	2	0	0	2	BNSF, Fresno West
Highland St	UPRR	Fresno	1	1	0	0	BNSF, Fresno West
American St	BNSF	Fresno	1	0	1	0	BNSF, Fresno West
First St	UPRR	Fresno	1	0	0	1	BNSF, Fresno West
Olive Ave	UPRR	Fresno	1	1	0	0	BNSF, Fresno West
Central Ave	UPRR	Fresno	1	1	0	0	BNSF, Fresno West
Highland Ave	BNSF	Fresno	1	1	0	0	BNSF, Fresno West
North Ave	Amtrak	Fresno	1	0	0	1	BNSF, Fresno West
Van Ness Ave	SJVR	Fresno	1	0	0	1	BNSF, Fresno West
Butler Ave	Amtrak	Fresno	1	1	0	0	BNSF, Fresno West
Fruit Ave	Amtrak	Fresno	1	0	1	0	BNSF, Fresno West
Fruit Ave	BNSF	Fresno	1	0	0	1	BNSF, Fresno West
California Ave	BNSF	Fresno	1	0	0	1	BNSF, Fresno West
Conejo Ave	BNSF	Fresno	1	0	0	2	BNSF, Fresno West
Clarkson	BNSF	Fresno	1	0	0	1	BNSF, Fresno West
Divisadero St	Amtrak	Fresno	1	0	0	1	BNSF, Fresno West
Belmont Ave	BNSF	Fresno	1	0	0	1	BNSF, Fresno West
East Ave	SJVR	Fresno	1	1	0	0	BNSF, Fresno West
Manning Ave	UPRR	Fresno	1	1	0	0	BNSF, Fresno West
Avenue 144	Amtrak	Kings	1	1	0	0	BNSF

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Highway-Rail Grade Crossing Accident/Incidents, 2004–2009

Cross Street	Rail-road	City / County	Number of Accidents		Number of Casualties		Alternative Alignment
			Total	PDO	Killed	Injured	
Armona Rd	BNSF	Kings	1	1	0	0	BNSF
Armona Rd	Amtrak	Kings	1	0	1	0	BNSF
9¼ Ave	SJVR	Kings	1	1	0	0	BNSF
6th Ave	SJVR	Kings	1	1	0	0	BNSF
Kansas Ave	Amtrak	Kings	1	0	0	32	BNSF
10th Ave	Amtrak	Kings	2	0	0	5	BNSF
11th Ave	BNSF	Kings	1	0	0	1	BNSF
Houston Ave	BNSF	Kings	1	0	0	1	BNSF
Houston Ave	Amtrak	Kings	1	0	1	0	BNSF
Jackson Ave	Amtrak	Kings	1	0	2	0	BNSF
Fargo Ave	BNSF	Kings	1	1	0	0	BNSF
Ave 424	SJVR	Dinuba	2	1	0	0	
Rd 148	SJVR	Tulare	1	0	0	1	
Ave 112	Amtrak	Tulare	1	1	0	0	BNSF
Ave 184	BNSF	Tulare	1	0	0	1	BNSF
Ave 88	BNSF	Tulare	1	0	1	0	BNSF
Prosperity Ave	BNSF	Tulare	1	0	1	0	BNSF
Bardsley Ave	UPRR	Tulare	2	2	0	0	
Rd 140	SJVR	Ivanhoe	1	0	0	2	
Ave 304	UPRR	Goshen	1	0	0	1	
Phillips St	SJVR	Hanford	1	1	0	0	BNSF
SR 43	SJVR	Tulare	1	1	0	0	BNSF
Elder Ave	UPRR	Goshen	1	1	0	0	
Olive Ave	UPRR	Tulare	1	1	0	0	
Olive Ave	SJVR	Bakersfield	1	1	0	0	BNSF, Bakersfield South
Vineland Rd	BNSF	Kern	1	0	1	6	BNSF, Bakersfield South
Graces Hwy	UPRR	Delano	1	0	0	1	

**Table 3.11-A-3**  
Highway-Rail Grade Crossing Accident/Incidents, 2004–2009

Cross Street	Rail-road	City / County	Number of Accidents		Number of Casualties		Alternative Alignment
			Total	PDO	Killed	Injured	
Peterson Rd	Amtrak	Kern	1	1	0	0	BNSF, Bakersfield South
County Line Rd	UPRR	Delano	1	0	0	1	
Baker St	UPRR	Kern	1	0	0	1	
Merced Ave	BNSF	Kern	3	0	2	2	BNSF
Merced Ave	Amtrak	Kern	1	1	0	0	BNSF
Kratzmeyer Rd	Amtrak	Kern	4	1	1	5	BNSF
Kratzmeyer Rd	BNSF	Kern	1	1	0	0	BNSF
Schuster Rd	Amtrak	Kern	1	0	0	1	BNSF, Bakersfield South
Comanche Dr	BNSF	Bakersfield	2	2	0	0	BNSF, Bakersfield South
Cecil Ave	UPRR	Delano	1	0	0	2	
Gimmway Enterprises	UPRR	Kern	1	1	0	0	
Famso-Woody Hwy	UPRR	McFarland	1	1	0	0	
SR 184	BNSF	Kern	2	1	0	1	BNSF, Bakersfield South
Los Angeles Ave	Amtrak	Shafter	1	0	0	10	BNSF
Reina Rd	Amtrak	Bakersfield	2	2	0	0	BNSF, Bakersfield South
7th Standard Rd	SJVR	Shafter	2	0	0	2	BNSF
7th Standard Rd	Amtrak	Shafter	2	1	1	0	BNSF
7th Standard Rd	BNSF	Shafter	2	0	0	4	BNSF
Gosford Rd	SJVR	Bakersfield	1	1	0	0	BNSF, Bakersfield South

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Highway-Rail Grade Crossing Accident/Incidents, 2004–2009

Cross Street	Rail-road	City / County	Number of Accidents		Number of Casualties		Alternative Alignment
			Total	PDO	Killed	Injured	
Tehachapi Blvd	BNSF	Bakersfield	1	1	0	0	BNSF, Bakersfield South
Peterson Rd	Amtrak	Wasco	1	0	1	0	BNSF
California St	SJVR	Bakersfield	1	1	0	0	BNSF, Bakersfield South
Washington St	SJVR	Bakersfield	1	1	0	0	BNSF, Bakersfield South
Baker St	UPRR	Bakersfield	1	1	0	0	
Kimberlina Rd	Amtrak	Kern	1	0	0	1	BNSF
<p>Note: Data are for January 2004 through October 2009.</p> <p>PDO = property damage only</p> <p>Source: FRA 2010.</p>							



**Table 3.11-A-4**  
Critical Facilities and Infrastructure in the HST Study Area

Facility Type	Name	Location	Alternative
Police Station	Bakersfield Police Department Headquarters	1601 Truxtun Avenue, Bakersfield	All
Sherriff Station	Kern County Sheriff's Department Wasco Substation	748 F Street Wasco	All but Wasco-Shafter Bypass
Police Station	Fresno Police Department Headquarters	2323 Mariposa Street, Fresno	All
Police Station	Fresno Police Department Southwest Policing District Station	1211 Fresno Street, Fresno	All
Sherriff Station	Fresno County Sheriff's Department Headquarters	2200 Fresno Street Fresno	All
Fire Station	City of Fresno Fire Department Headquarters	911 H St., Fresno	All
Fire Station	City of Fresno Fire Department Station 3	1406 Fresno Street, Fresno	All
City Hall	Fresno City Hall	2600 Fresno Street Fresno,	All
Convention Center	Fresno Convention Center	848 M Street Fresno	All
Courthouse	Fresno County Courthouse	2317 Tuolumne St, Fresno	All
Hall of Records	Fresno County Hall of Records	2281 Tulare Street Fresno	All
Library	Fresno County Law Library	1100 Van Ness Ave Fresno	All
Auditorium	Memorial Auditorium	2425 Fresno Street	All
City Hall	Wasco City Hall	746 8th St. Wasco	All but Wasco-Shafter Bypass
City Hall	Bakersfield City Hall	1600 Truxton Avenue, Bakersfield	All
Auditorium	Bakersfield Civic Auditorium	13801 Reserve Court Bakersfield	All
Library	Beale Memorial Branch Kern County Library	701 Truxtun Avenue Bakersfield	All
County Center	Kern County Center	1415 Truxton Avenue, Bakersfield	All

**Table 3.11-A-4**  
Critical Facilities and Infrastructure in the HST Study Area

Facility Type	Name	Location	Alternative
Chamber of Commerce	Kern County Chamber of Commerce	2101 Oak Street, Bakersfield	All
County Services	Kern County General Services Building	1115 Truxton Avenue, Bakersfield	All
Library	Kern County Hall of Records Library	1655 Chester Avenue Bakersfield	All
Library	Kern County Law Library	1415 Truxtun Avenue, Bakersfield	All